

## Electric Counterpoint

by Arya Akhavan (October 2015)

Angles for R.I. = 1.650

40 + 8 girdles = 48 facets

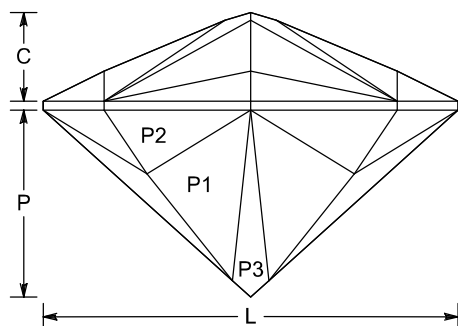
4-fold, mirror-image symmetry

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$L/W = 1.000$

$P/W = 0.450$   $C/W = 0.214$

$Vol./W^3 = 0.182$



## PAVILION

P1 44.51° 05-19-29-43- Cut to centerpoint.  
53-67-77-91

G1 90.00° 06-18-30-42- Set stone size.  
54-66-78-90

P2 48.64° 06-18-30-42- Level girdle.  
54-66-78-90

P3 42.00° 96-24-48-72 Meet P1, G1, P2

## CROWN

C1 28.32° 06-18-30-42- Set girdle width.  
54-66-78-90

C2 25.00° 07-17-31-41- Meet G1, C1  
55-65-79-89

C3 23.13° 12-36-60-84 Meet G1, C1, C2

For some odd reason, I really wanted to see if I could write a successful design that had the exact same crown and pavilion, just scaled differently and off-set. This apex design turned out incredibly well, and should cut quickly and easily with no difficulties. Highly adaptable and can be scaled to virtually any P/W or C/W for any RI, but as-written looks best in materials from peridot to YAG (RI = 1.65 - 1.83).

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